Experience from work with		S/089/61/011/001/002/010 B102/B214	
2 figures a	nd 2 tables.	,	
SUBMITTED:	February 6, 1961		
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Card 5/9			· · · · · · · · · · · · · · · · · · ·
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DOLGOV, V.V.; KOZLOV, V.Ya.; KOCHETKOV, L.A.; SUDNITSYN, O.A.; USHAKOV, G.N.

[Startup conditions of an atomic power plant with superheated steam generated in a uranium-graphite reactor] Izuchenie puskovykh rezhimov elektrostantsii s uran-grafitovym reaktorom s peregrevom para. Moskva, Glav.upr.po ispol'zovaniiu atomnoi energii, 1960. 14 p. (MIRA 17:1)

USHAKOV, G.N.; KOCHETKOV, L.A.; KONOCHKIN, V.G.; SEVER'YANOV, V.S.; KOZLOV, V.Ya.; SUDNITSYN, O.A.

Operational experience of the world's first atomic power plant. Atom. energ. 16 no.6:484-488 Je '64. (MIRA 17:7)

ACCESSION NR: AP4041445

s/0089/64/016/006/0484/0488

AUTHORS: Ushakov, G. N.; Kochetkov, L. A.; Konochkin, V. G.; Sever'yanov, V. S.; Kozlov, V. Ya.; Sudnitsy*n, O. A.

TITLE: Operating experience of the first atomic electric station in the world

SOURCE: Atomnaya energiya, v. 16, no. 6, 1904, 484-488

TOPIC TAGS: reactor control rod, reactor feasibility study, reactor hazard, reactor operation, boiling water reactor

ABSTRACT: Several preliminary tests aimed at ascertaining the feasibility of an atomic power station with the steam heated directly in the reactor are described. These included tests to determine the degree of throttling of thin parallel boiler tubes directly cooling the fuel elements at loads up to 10⁶ kcal/m² hr with up to 30% steam by weight; tests to prevent pulsations of flow in the

Card 1/4

ACCESSION NR: AP4041445

parallel boiler tubes; experiments on nuclear superheating of the steam in an experimental single-circulation loop. The description covers experiments on the boiling and steam superheat modes in the reactor, tests on the operation of the uncooled control rods, and reactor safety tests. The original control rods made of boron carbide clad with stainless steel and cooled with water. 'Various shortcomings of these rods have necessitated the development of control rods made of tubular steel carrying equally spaced sleeves of boride steel (18 sleeves in a control rod 1500 mm long). Rods of this type had sufficient absorbing ability and service life to operate at 850C and an integral neutron flux 5 x 10^{20} neut/cm². The use of these control rods increased the reactivity margin by 0.8%, the operating period by 15 days, and the reactor efficiency by 1%. Other advantages and disadvantages of uncooled boron carbide scram rods are briefly discussed. The safety problems considered involve hermeticity of the fuel element cladding and of the fuel element internal tube which is under pressure. The effects of each

Card 2/4

ACCESSION NR: AP4G41445

type of failure are discussed. In the former type the contamination of the first loop by radioactive corrosion products is relatively low even after 10 years of operation. A special system, which prevents the steam-gas mixture from entering the ventilation system in the case of energency of the latter type, is described. It is claimed that all the safety precautions cause the personnel exposure to radiation to be below the established norm. Orig. art. has: I figure.

ASSOCIATION: None

SUBMITTED: 11Apr64

ENCL: 01

SUB CODE: NP, IE

NR REF SOV: 000

OTHER: 000

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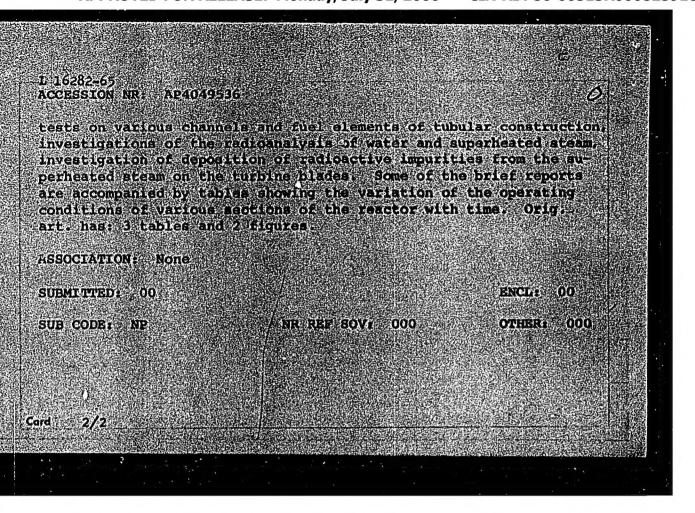
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L. 16282-65 ENT(w)/SPY(H)2/Y/EPA(66)/2 Ph.L. SET/ANT PACCESSION NR: AP4049536 S/0089/64/017/005/0189/0186

ADTHORS: Ushakov, G. N.; Kochetkov, E. A.; Konochkin, V. G.; S. Sever'vanov, V. B.; Roslovitor Va. S. Sudnitsvan, G. A.; Belinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Slyusakev, P. N.; Zvanov, V. A.; Selinskays; N. T.; Selinsk

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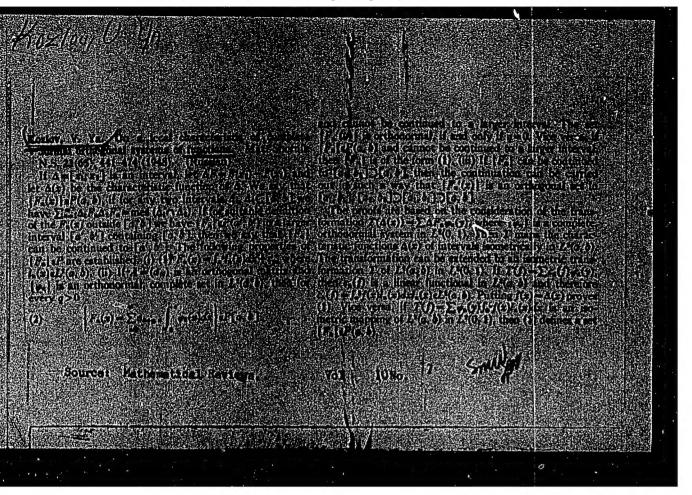
KOZLOV, V. YA

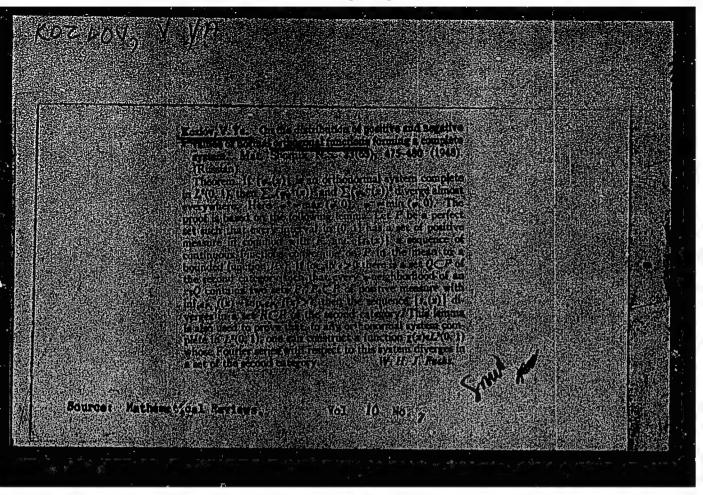
Rabota nakhoditsya v pechati. (footnote) O sy mzi mezhdu absolyutnoy akhodimest'yu i edinatvennost' yu razlozheniya funktsii v trigonometric'eskiy ryad. DAN, 15 (1937), 417-420.

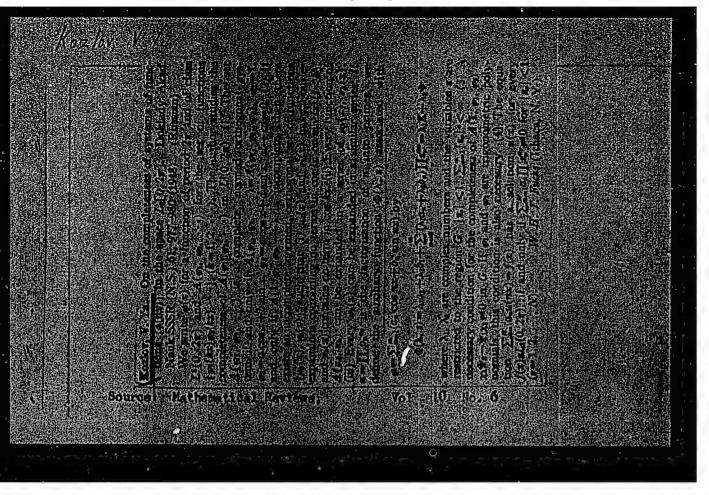
O nekotorykh svoystvakh polnykh sistem ortogonal nykh funktsiy. Dissertatsiya (1040).

SO: Mathematics in the USSR, 1917-1947 edited by Kurosh, A. G., Markushevich, A. I., Rashevskiy, P. K., Moscow-Leningrad, 1948

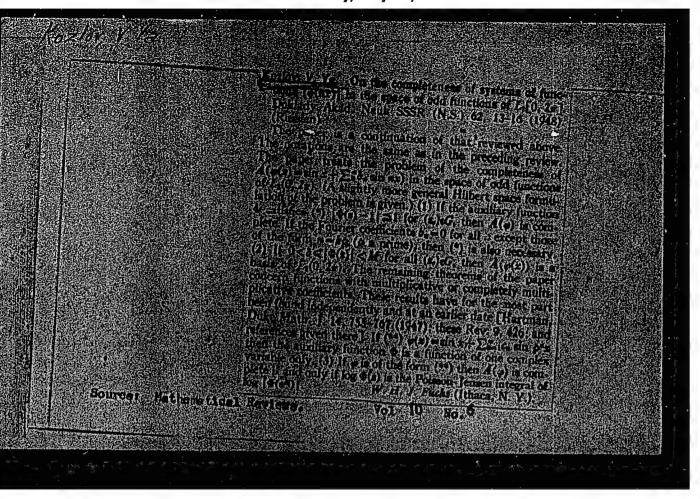
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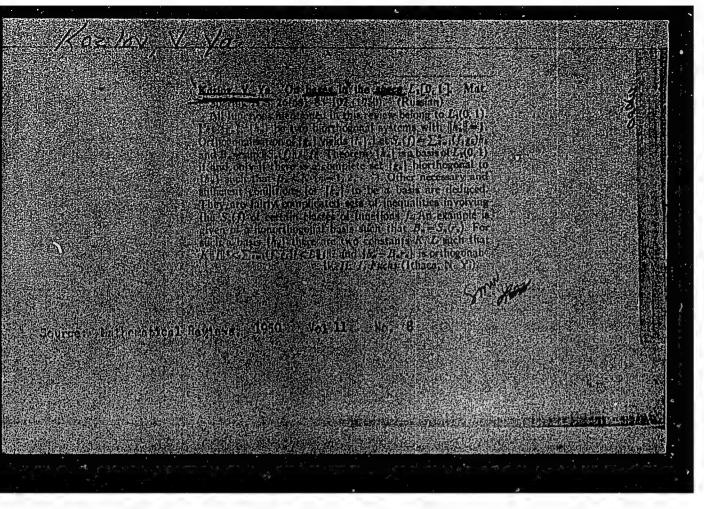


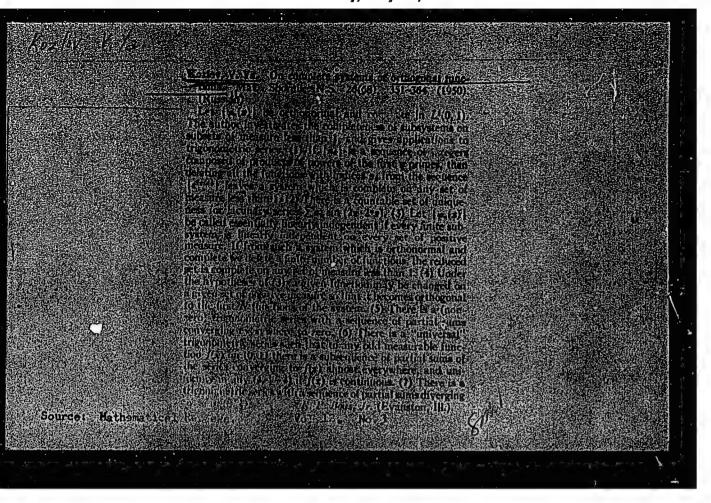




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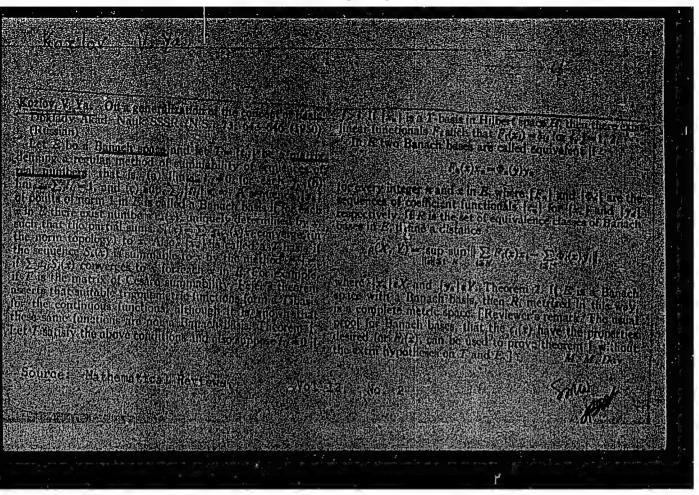




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Earling V. Va. On the completeness of a prison of the completeness of	21 (Fig. es) is complete jn 27 (0723) if and only if Estallie Estallie 100
$\varphi(t) = \sum_{i \in \mathcal{A}} \varphi_i \exp(at + \sum_{i \in \mathcal{A}} \varphi_i \exp(at_i + \sum_{i \in \mathcal{A}} \varphi_i)) = 1$ if it wo functions $Q(t, t(t), t(t))$ such that $A(t, t(t), t(t))$ is complete in $L^2(t(t, t(t)), t(t))$ and also complete in $L^2(t(t, t(t)), t(t))$ in the $A(t, t(t), t(t))$ in $A(t, t(t), t(t))$ and $A(t, t(t), t(t))$ in $A(t, t(t), t(t))$.	Leffel(n) Beffel on every multiplicative tanabon of with feels to the first state of the problem of the completency of the problem of the completency is bridged in the problem of the completency in the problem of the completency is bridged in the problem of the completency in the c
$ 205 \sum_{i=1}^{n} \delta_i(t) \cos(k - \sum_{i=1}^{n} \delta_i'(s)) \text{ and } d_i(s) = 0 $ and $f(s)$ is a multiplicative $\{\max_{i=1}^{n} f(s)\} = f(s) = f(s)$ with $\ f(s)\ \le 1$. Corollary Under the hypothesis of this theorem $f(s) = \frac{1}{2} \sum_{i=1}^{n} f(s) = \frac{1}{2} \sum_{i=1}^{n} f($	The set is complete for $\alpha = \pi/2$ and $\pi/2$ but is not complete for $\alpha = \pi/2$ and $\pi/2$ but is not complete for $\alpha = \pi/2$ and $\pi/2$ but is not complete for $\alpha = \pi/2$ and $\pi/2$ but is not complete. (Panodo prime godd rank $\pi/2$) $\pi/2$ (Panodo prime godd rank $\pi/2$) $\pi/2$ (Panodo prime $\pi/2$).
Source: Mathematical Reviews . Vo.	
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KOZLOV, V. Ya.

"Systems of Functions of the Form Phi (KX) and of Multiplicative Operators." Sub 14 Mar 51, Moscow Order of Lenin State U imeni M. V. Lemonosov.

Dissertations presented for science and engineering degrees in Moscow during 1951. Dr. Physico-Matthematical Sci.

SO: Sum. No. 480, 9 May 55.

- 1. KOZLOV, V. YE.
- 2. USSR (600)
- 4. Fishery Products Preservation
- 7. Using a Krylov-type ice locker in salting fish. Ryb. khoz. 28, no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953, Unclassified.

V. 1.

BARANOV, A.M., kandidat tekhnicheskikh nauk; ASHUKIN, D.D., kandidat tekhnicheskikh nauk; KOZLOV, V.Ye., inzhener.

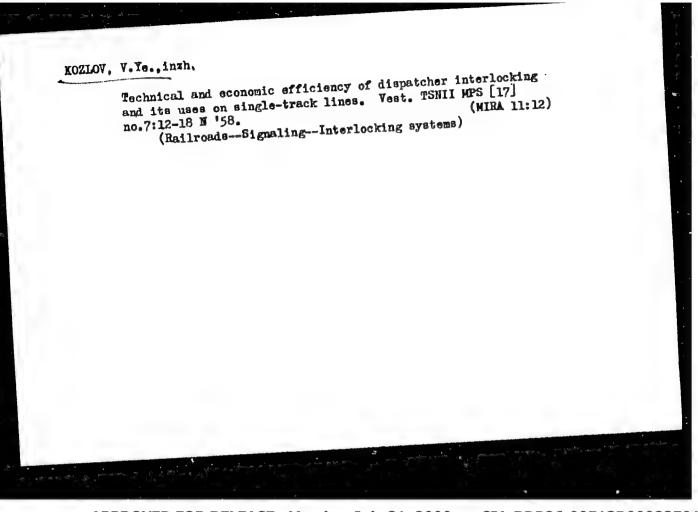
Selecting speeds and weight for railroad passenger cars. Vest.
TSNII MPS 15 no.2:3-7 S '56. (MIRA 9:12)
(Railroads—Gars)

KOZIOV, V. Ye.: Master Tech Sci (diss) -- "The effectiveness of dispatcher centralization on single-track and double-track lines". Moscow, 1958. 15 pp (Min Transportation USSR, All-Union Sci Res Inst of Railroad Transport), 150 copies (KL, No 2, 1959, 121)

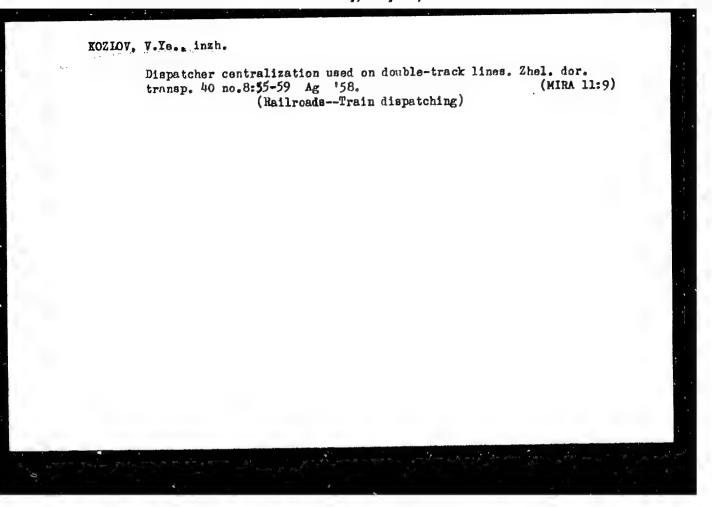
MAKSIMOVICH, B.M.; FEL'IMAN, S.D.; BARAMOV, A.M.; VOROB'TEV, N.A.; KOZIOV,
V.Te.; AL'TERMAN, S.L., inzh., red.; BOBROVA, Ye.H., tekhn.red.

[Selection of methods for increasing traffic capacity of railroad
lines] Vybor sposobov uvelicheniis propusknoi sposobnosti shelesnodorezhnykh linii. Moskva, Gos. transp. zhel-dor. izd-vo, 1958.
245 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut
zheleznodorozhnogo transporta. Trudy, no.147)

(Railroads--Traffic)



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KOZLOV, Vasiliy Yefimovich; CHERNYY, I.S., inzh., red.; KHITROV, P.A., tekhn. red.

[Efficiency of dispatcher centralization on single-track and double-track lines] Effektivnost' dispetcherskoi tsentralizatsii na odnoputnykh i dvukhputnykh liniiakh. Moskva, Gos.transp.zheldor.izd-vo, 1959. 150 p. (Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy no.167)

(MIRA 12:5)

(Railroads--Train dispatching)

KOZLOV, V.Ye., kand.tekhn.nauk, nauchnyy sotrudnik

Perfected control panel for centralized traffic control.
Avtom.telem.i sviaz' 3 no.10:8-9 0 '59. (MIRA 13:2)

1. Vsecoyuznyy nauchno-issledovateliskiy institut zheleznodoro-zhnogo transporta Ministerstva putey soobshcheniya.

(Railroads--Signaling--Centralized traffic control)

GACHKOVSKIY, Georgiy Iosifovich; BASOV, A.V., inzh., retsenzent; KOZLOV, V.Ye., kand. tekhn. muk, retsenzent; PREDE, V.Yu., inzh., red. BOEROVA, Ye.N., tekhn. red.

[Train dispatching under a central control system; practices of the Northern Caucasus Railroad] Opyt organizatsii dvizheniia poezdov pri dispecherskoi tsentralizatsii; iz praktiki Severo-Kavkazskoi dorogi.

Moskva, Vses. izdatel'sko-poligr. ob*edinenie M-va putei soobshcheniia, 1961. 20 p.

(MIRA 14:7)

(Railroads-Train dispatching)

KOZLOV, V.Ke., kand.tekha.nauk

Increase the effectiveness and the rate of the introduction of automatic control. Avtom., telem. i sviaz' 6 no.3:15-17 Mr (MIRA 15:3)

(Railroads--Signaling) (Automatic control)

FEL'DMAN, E.D., kand.tekhn.nauk; BARANOV, A.M., kand.tekhn.nauk; KOZLOV, V.Ye., kand.tekhn.nauk

Staged increase of the traffic parrying capacity of single-track lines. Vest.TSNII MPS 22. nq.6:43-49 163. (MIRA 16:10)

KOZLOV, V.Ye., kand. tekhn. nauk

Coefficient of the overtaking of freight trains by passenger trains in single-track sections with double-track inserts. Vest.
TSNII IPS 23 no.6:55-58 164. (MIRA 17:10)

BARANOV, Abram McL. Leyevich; KOZLOV, Vasiliy Yefimovich; FEL'LMAN, Esfir' Davydovna; PETROVA, V.L., red.

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hOZLOV, V.Ye., kand. tekhn. nauk; SAFARGALIN N.I.

Operation of two-track insertions. Zhel. dor. transp. 47 no.3:35-37 Mr *65. (MIRA 18:5)

1. Glavnyy inzh. sluzhby dvizheniya Kazakhskoy dorogi (for Safargalin).

ALPERIN, I.Ye., inzh.; KOZLOV, V.Ye., inzh.

Use of reinforced concrete T-sheet piling in cohesive ground. Transp. stroi. 13 no.7:20-22 Jl '63. (MIRA 16:9)

(Sheet piling)

KOZLOV, V. E.

"Observations on the Kinetochore of Mitotic Chromosomes." (p. 759) State Optical Institute, Leningrad. by Koslov, V. E.

SO: Biological Journal (Biologicheskii Zhurral) Vol. VI, 1937, No. 4

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CIA-RDP86-00513R000825910

KOZLOV, V. Ye.

Mbr., State Institute of Optics, -1946-.

"V. P. Linnik's Microinterferometer as Applied to the Study of the Valve of the Diatom Stauroneis Phoenicentron Ehr.," Dok. AN, 55, No E, 1947.

SO: Monthly List of Russian Accessions, Library of Congress, 1953, Uncl.

KOZLOV, V. Ye.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00082

"Electron-Microscopic Investigation of the Structure of the Valve Stauroneis Phoenicentron Ehr., " Dok. AN, 57, No. 8, 1947

KOZLOV, V. YE.

USSR/Medicine - Hybridity

Hedicine - Spectrum Analysis

Nov 1947

"Spectrophotometric tudies of Plant Tybrids and the Biological Feculiarities of the SELective Absorption of Ultraviolet ays by Flant Tissues," N. . Turbin, . We. Kozlov, Loningrad State University, State Optical Institute, 3 pp

"Dok Ak Nauk" Vol LVIII, No 6

Recently there has been increasing use of a spectrophotometric method of studying the absorption characteristics of various organs particularly for albumin. As a result a spectrophotometric study of the absorption of the ultraviolet rays by the protoplasm of plant growth was conducted to determine some type of biologic peculiarity in the absorption of certain rays. Submitted by Academician L.A. Orbeli 18 May.

PA 36T33

KOZLOV, V. TII.

USSR/Physics

Microphotography
Infrared Photography

Sep/Oct 48

"Microphotography With Infrared Rays," 2. N. Salansova, Ye. H. Brumberg, V. Ye. Kozlov, Chair of Anat and Histol, Leningrad State U, 3 pp

"Iz Ak Nouk SOSR, Ser Biol" No 5

Infrared microscopy has previously been little used. Discusses met ods of Blair and Davies (1933-34) and Dertrand at Becameon (1929). Describes a new method in detail. It can be used for various biological preparations, and staining the specimen is a simple, process. Included four photographs obtained by subject method.

Submitted 2 Feb 48

PA 49/49T107

KOZLOV, V. YA.

Mbr., Lab. Plant Genetics, Leningrad State Univ., -c1948-. "A Chromoscopic Study on Microscopic Cuts of Seeds from Paternal and Hybrid Forms of Tomatoes," Dok.AN, 63, No.2, 1948.

KOZLOV, N.V., professor; KOZLOV, V.Ye., nauchnyy sotrudnik.

Spectrophotometric study of the absorption of ultraviolet light by the living tissues of cotyledons of tomato hybrids and their parental forms. Nauch. biul. Len. un. no.22:27-28 49. (MIRA 10:4)

l. Iaboratoriya genetiki rasteniy.
(Ultraviolet rays--Physiological effect)
(Plant cells and tissues)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825910

BRUMBERG, YE. M.; BUKHMAN, M. P.; KOZLOV, V. YE.

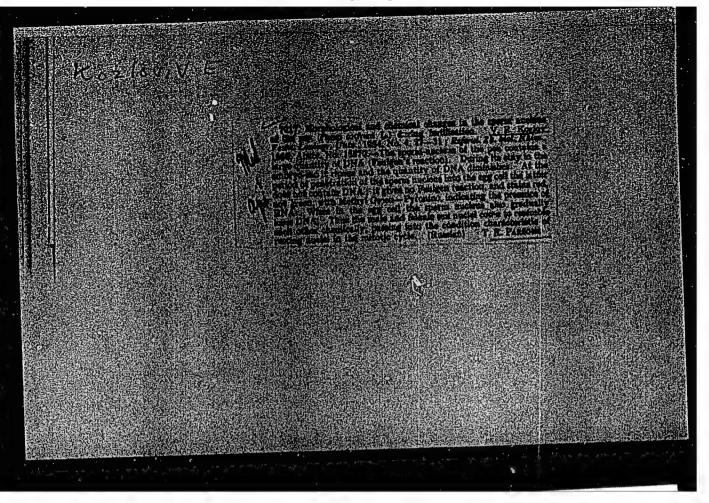
Microscope and microscopy

Histochemical reactions for the ultraviolet microscopy. Dokl. AN SSSR 86, no. 3, 1952.

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NAUMOV, N.A.; KOZLOV, V.Ye.

[Fundamentals of botanical microtechnique] Osnovy botanicheskoi mikrotekhniki. Moskva, Sov. nauka, 1954. 312 p. (MERA 8:1D)



SHISHKIN, B.K., professor; ROMANKOVA, A.G., kandidat biologicheskikh nauk, starshiy nauchnyysotrudnik; MARKOV,G.S., doktor biologicheskikh nauk, dotsent; DANILEVSKIY, A.S., kandidat biologicheskikh nauk, dotsent; SHTEYNHERG, D.M., doktor biologicheskikh nauk; LOMAGIN, A.G aspirant; SELL'-HEKMAN, I.Y., mladshiy nauchnyy sotrudnik; ZHINKIN. L.N., doktor biologicheskikh nauk, professor; IPATOV, V.S., student V kursa; KOZLOV, V. Ye., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik; KARTASHEV, A. I., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik; HITSEHKO, A.A., starshiy nauchnyy sotrudnik; VASILEVSKAYA, V.K., doktor biologicheskikh nauk, dotsent; RYUMIN.A.V., kandidat biologicheskikh nauk; MAUMOV.D.V., kandidat biologicheskikh nauk, mladshiy nauchnyy sotrudnik; KHOZATSKIY,L.I. kandidat biologicheskikh nauk, dotsent; GCROHETS, A.M., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik; GODLEVSKIY, V.S. assistent; GERBIL'SKIY, N.L., doktor biologicheskikh nauk, professor; ALEKSANDROV, A.D., professor; KOLODYAZHNYY, V.I.; TURBIN, N.V.; ZAVAD-SKIY.K.H.

[Theory of species and the formation of species]. Vest.Len.un. 9 no.10:43-92 0 '54.

1. Chlen-korrespondent Akademii nauk SSSR (for Shishkin, Aleksandrov)

(Condtinued on next card)

SHISHKIN.B.K., professor; ROMANKOVA.A.G., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik, and others.

[Theory of species and the formation of species]. Vest.Len.un. 9 no.10:43-92 0 154. (MLRA 8:7)

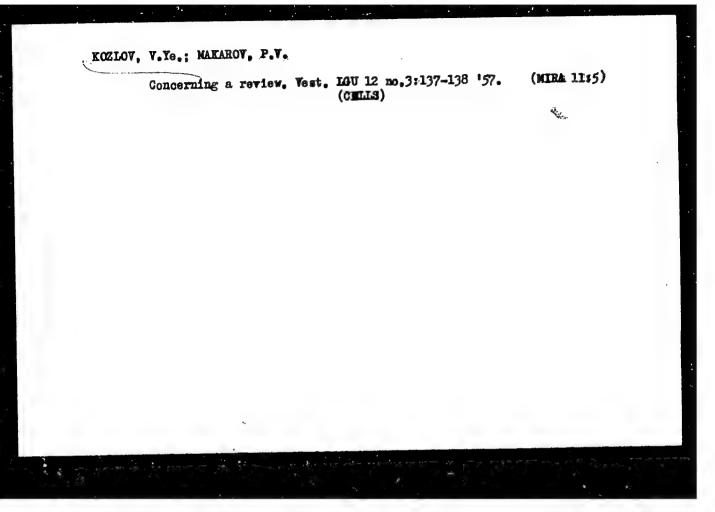
2. Leningradskiy gosudarstvennyy universitet (for Shishkin, Romankova, Markov, Ipatov, Korlov, Kartashev, Godlevskiy, Gerbil'skiy, Aleksandrov)
3. Zoologicheskiy institut Akademii nauk SSSR (for Shteynberg, Naumov)
4. Kafedra entomologii Leningradskogo gosudarstvennogo universiteta
(for Danilevskiy). 5. Kafedra darvinisma Leningradskogo gosudarstvennogo universitete (for Lomagin, Gorobets). 6. Kafedra geobtaniki Leningradskogo gosudarstvennogo universiteta (for Nitsenko). 7. Kafedra botaniki
Leningradskogo gosudarstvennogo universiteta (for Vasilevskaya). 8. Kafedra zoologii pozvonochnykh leningradskogo gosudarstvennogo universiteta (for Khozatskiy). 9. Leningradskogo gosudarstvennogo universiteta (for Khozatskiy). 9. Leningradskogo otdeleniye Vsesoyuznogo instituta udobreniy, agropochvovedeniya i agrotekhniki (for Sell'-Bekman)
10. Institut eksperimental'noy moditsiny Akademii meditsinskikh nauk
SSSR (for Zhinkin)

(Origin of species)

KOZLOV, V.Ye.

Living structures of "optically vacuous" cell nuclei. Dokl. AN Arm. SSR 18 no.5:141-146 154. (MIRA 8:7)

1. Predstavleno A.L. Takhtadzhyanom. (Cells)



KOZLOV, V.Ye.

Acorus calamus L. in Old Peterhof. Bot.zhur. 44 no.6:850-853

Je '59.

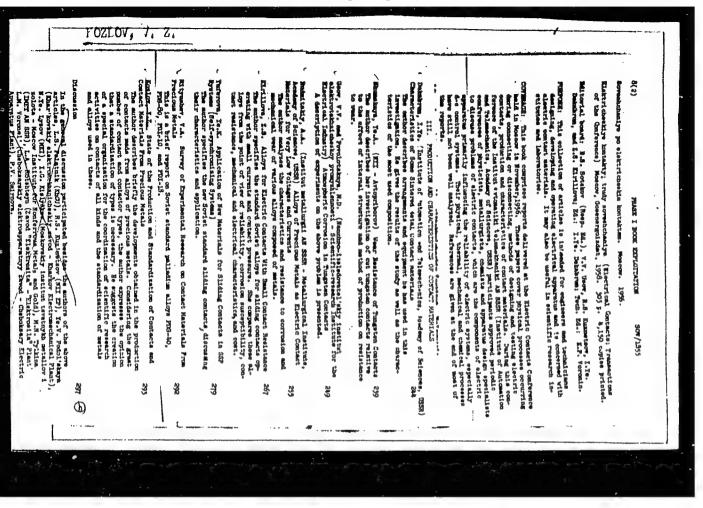
1. Petergofskiy biologicheskiy institut.

(Petrodvorets--Sweet flag)

KOZLOV, V.Ye.; KOTLIKOV, N.P.

Use of free running clutches with disconnecting mechanism in the system of starting diesel engines. Trakt. i sel'khozmash. no.5:12-13 My '65. (MIRA 18:6)

1. Leningradskiy sel'skokhozyaystvennyy institut.



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CIA-RDP86-00513R0008259100

KOZLOV, Ya, (Tbilisi); PAPANDOPULO, S. (Tbilisi); TUPIKOVSKIY, A. (Tbilisi); MALANCHEV, L. (Tbilisi)

The ninth lesson. Grazhd. av. 18 no.6:4-7 Je '61. (MIRA 14:7)

1. Vneshtatnyye korrespondenty zhurnala "Grazhdanskaya aviatsiya" (for Kozlov, Papandopulo, Tupikovskiy). 2. Spetsial'nvy korrespondent zhurnala "Grazhdanskaya aviatsiya" (for Malanchev). (Tiflis—Technical education) (Tiflis—Airplanes—Maintenance and repair)

KOZLOV, Ya. (Moskva)

Creative cooperation of science and industry. Prom.keop. ne.9:35
S '56.

1.Glavnyy inshener arteli "Khimkraska".

(Washing pewders)

KOZLOV, Ya.A.

Technological flow sheet for the dry cleaning of work clothes. Sbor. nauch. rab. AKKH no.7:117-132 '61. (MIRA 18:5)

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KOZLOV, Ya.I.; MURADOV, K.M., kand. biol. nauk, etv. red.;
NASIBOVA, S.G., red.; IVONT'YEVA, G.A., tekhn. red.

[Cultivation of lemon in Turkmenistan] Kul'tura limona v Turkmenskoi SSR. Otv. red. K.M.Muradov. Ashkhabad, Izdvo Akad. nauk Turkmenskoi SSR, 1963. 26 p. (MIRA 16:4) (Turkmenistan-Lemon)

KOZLOV, Ya.I.

Growth and development of lemon trees in trenches of the Botanical Garden of the Academy of Sciences of the Turkmen S.S.R. Izv. AN Turk. SSR Ser. biol. nauk no.4:75-78 164. (MIRA 17:11)

KOZLOV, Ya.K., inzh.; SAVIN, G.P., inzh.; KUSHNIKOVA, V.S., inzh.; TONKONOG, V.A.

"Dies for forging and stamping power presses" by D.E. Shaposhnikov. Reviewed by IA. K. Kozlov and others. Vest. mash. 38 no. 6:85-86 Je '58. (MIRA 11:7)

(Dies(Metalworking))

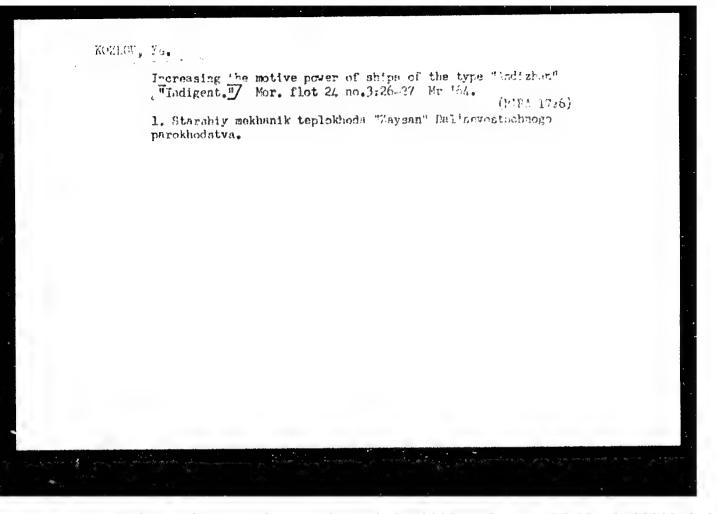
KOZLOV, Ya.S., inzh.

The automatic block system is operating faultessly in Leonid Podnebesnyi's district. Avtom., telem. i sviaz' 6 no.7:26-28 Jl '62. (MIRA 10:2)

l. Rubisovskaya distantsiya signalizatsii i svyazi Zapadno-Sibirskoy dorogi.

(Railroads-Signaling-Block system) (Railroads-Employees)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825910



KOZLOV, Ye.A.

Some data on the frequency profile of the Kuban. Prikl.geofiz.
no.21:44-55 '58. (MIRA 12:1)
(Kuban-Geology, Stratigraphic) (Prospecting-Geophysical methods)

S/552/60/000/027/003/008 H000/H000

AUTHOR: Kozlov, Ye. A.

TITLE-Accuracy of effective velocity determination from composite

time-distance curves of reflected waves

SOURCE: Prikladnaya geofizika (sbornik statey), no. 27, 1960, 50-56

TEXT: A. I. Khramoy (Ref. 3: Razvedochnaya i promyslovaya geofizika, no. 17, 1957) presented a method for determining effective velocities in regions where the interval between shot points is small, using a "composite" timedistance curve obtained from two or more already existing curves for adjacent shot points and the same horizon. He claimed such "composite" curves to be more accurate for the direct determination of effective velocity than "short" time-distance curves. Kozlov contends in the present article that Khramoy's "composite" curves are not only of no greater accuracy, but are in fact less accurate for this purpose. This contention is demonstrated by a discussion of the cross time-distance curve method for horizontal reflecting horizons and by adducing practical determination results. There are 2 figures.

Card 1/1

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825910

Some aspects of the use of the mean velocity method. Prikl. geofiz. no.29:39-49 '61. (MIRA 14:6)

(Seismic prospecting)

41903

3/049/62/000/008/001/003

1046/1246

34300 AUTHOR:

Gozlov, Ye.A.

TITLE:

Velocities of longitudinal waves in terrigenous sediments

PERIODICAL.

Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 8, 1962,

The velocities of longitudinal waves calculated for ideally elastic discrete media (the size and the shape of the grains obey the normal distribution, and the interatices are filled with a fluid) as functions of the physical properties of the components (Young modulus, elasticity, velocity of longitudinal waves) and of volume interrelationships of the components (porosity) were applied to several terrigenous sediments with the following results: the highest velocities and velocity gradients dV/dz correspond to cemented sands, whereas the lowest - to clay. Pure sands are characterized by intermediate values. The intervals of V and dV/dz values overlap for all these rocks. In sandy leams with 35 to 55% sand the V(z) curve may change the sign of its curvature. The results are at variance with the proposition of Gassman et al. (Ref. 1: Elastic waves through a packing of spheres, Geoph., 16, no. 4, 1951) that the

Velocities of longitudinal waves...

velocity increases with the depth as \sqrt{z} . The calculated V(z) curves are in agreement with the factual data for various sediments. The probable theoretical functions V=V(z) and $V=V(\psi)$, where φ porosity, can be used in rough estimates of V and V and V are results of acoustic sounding, in extrapolation of the experimental V and V curves and also in the resolution of the V(x,y,z) field into components contributed by various factors. There are 8 figures.

SUBMITTED:

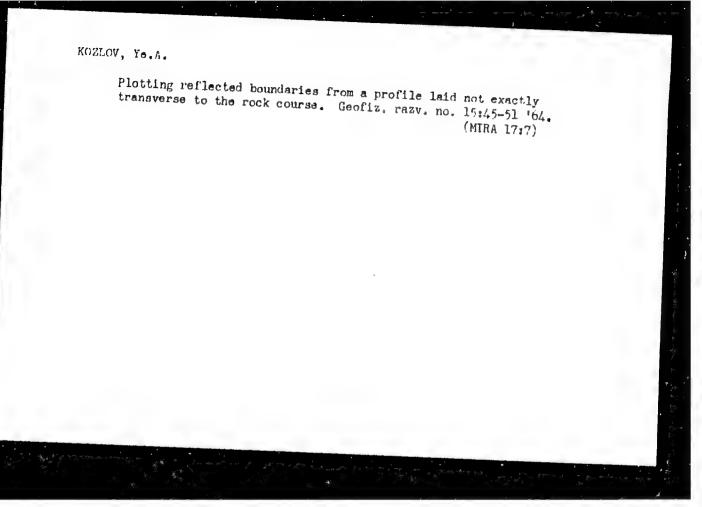
December 6, 1961

Card 2/2

ZLOV, Ye.A.

Some results of experimental work on increasing the depth of seismic prospecting by the reflection method in the western Kuban trough. Geol. nefti i gaza 6 no.1:40-44 Ja '62. (MIRA 15:1)

1. Krasnodarskiy filial Vsesoyuznogo neftegazovogo nauchnoissledovatel'skogo instituta. (Kuban Lowland--Petroleum geology) (Seismic prospecting)

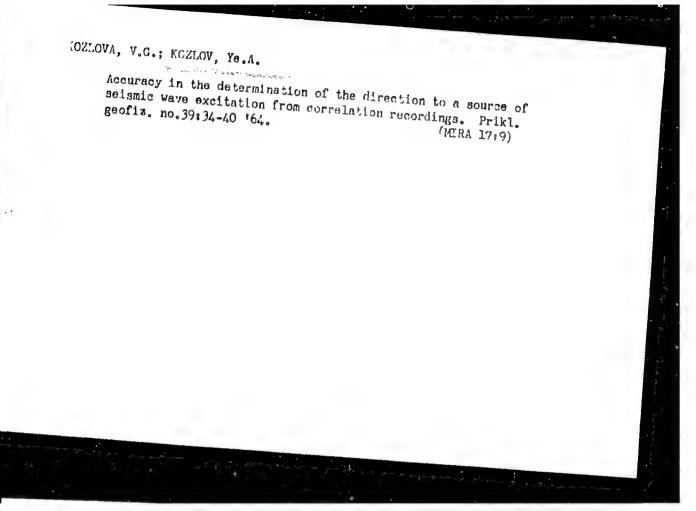


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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825910

Regularities in the distribution of the velocities of seismic waves in a sedimentary formation in central and western Giscaucasia. Prikl. geofiz. no.39:15-32 164. (MIRA 17:9)

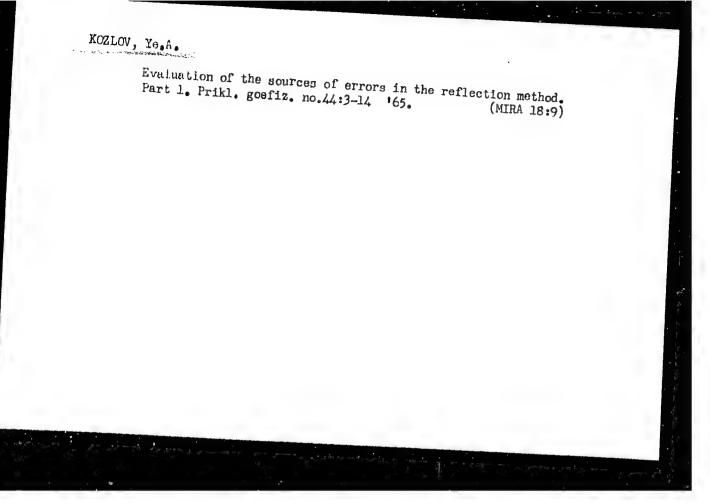
"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825910



KOZLOV, Ye.A.; KARMAZIN, A.A.

Determining effective velocities under conditions of curvilinear reflected boundaries. Frikl. geofiz. nc.40016-30 164 (M/RA 18:1)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825910



B+1

15576-66 EWT(1)/EWA(h) ACC NR: AT5028864

SOURCE CODE: UR/2552/65/000/044/0003/0014

AUTHOR: Kozlov, Ye.

ORG: none

TITLE: Evaluation of sources of error in reflected wave surveys (Part 1)

SOURCE: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki. Prikladnaya geofizika, no. 44, 1965, 3-14

TOPIC TAGS: seismic wave, hodograph, oceanography, error measurement

ABSTRACT: Sources of error in reflected wave surveys of submarine plateau regions are studied. A two-layer model is assumed; the boundary between the layers (traced by the reflection method) is taken as a base horizon. The usual equations for depth (along the central ray) from sea level to the horizons corresponding to the first and second layers is given. These are depths H_1 and H_2 . Differentials derived from the equations for H_1 and H_2 serve as a basis for error analysis, yielding an analytical expression for error in H as a function of errors in the time and speed parameters in the initial data. Errors of time measurement fall into several

Card 1/3

15576-66 ACC NR: AT5028864

categories, all of which are easily evaluated by such methods as comparison of tape doublers, or of times at mutual data points, or by the distribution of points of differential hodographs, etc. All types of time errors had normal distribution characteristics and ranged from .0010-.0012 sec for one type to .003 sec for another type. In analyzing errors in wave tracing, only errors in phase correlation were considered. The investigated area was divided into small grids, and multiple determinations of depth were made, the assumption being that frequency of correlation errors was about proportional to frequency of unlike variants of correlation in the determinations. Wave hodographs and single depth values from unaveraged data were most useful for this procedure. A table summarizing results for the North side of the Azov-Kaban Trough showed that the most errors were in the "Cr1" horizon. The effect of profile network density on correlation error incidence was analyzed for both open and closed contour systems. A series expression for R_E, the general number of correlation errors, was derived from considerations of several configurations of "error chains". The conclusion was that there is very good correlation of data on horizons traced along contours if $n \ l < 8p$, where n = network density in km/km^2 , 1 = separation distance in km between network elements, and p the probability of a correlation error for a given network spacing. When $\eta < 2p$, however, correlation

Card 2/3

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along contours does not reduce probability of correlation error. An adaptation of the equations used in the above method may be used to give a rough approximation of correlation error if data is insufficient for the "double" handling, but this approximation needs verification. Finally, mean square errors in wave tracing (errors per unit area) are considered and expressions derived for 8H, errors (in depth) and 6t1 (time) errors, the latter characterizing not so much the magnitude of errors as the probability of one error in a given area. St; and SH, errors found in

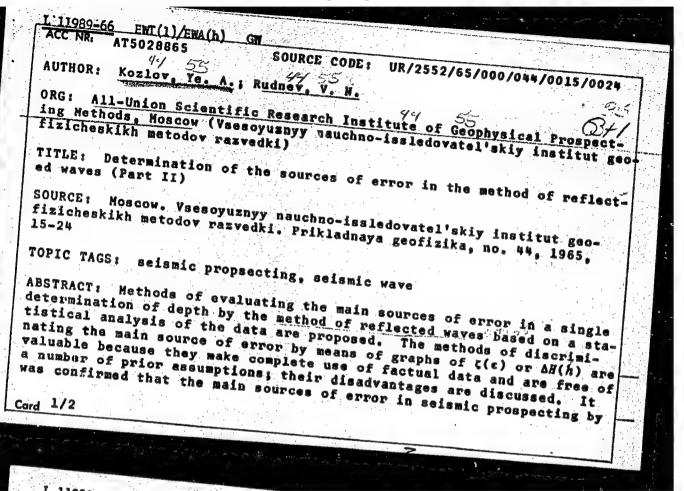
data for the Krasnodar region are listed in a table for the F, Pg, Cr2, and Cr1 horizons. Comparison of reflection method and drilling data indicates that errors in depth per unit area due to incorrect correlation, form 15-20% of the total error, and thus may be considered on the basic sources of error in the construction of structural block diagrams in the type of region under discussion. Orig. art. has: 2 tables, 2 figures, 24 formulas. SUB CODE: 08/

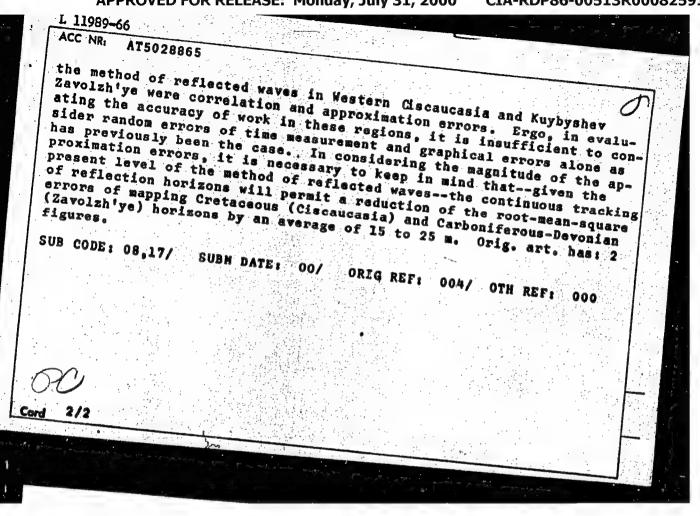
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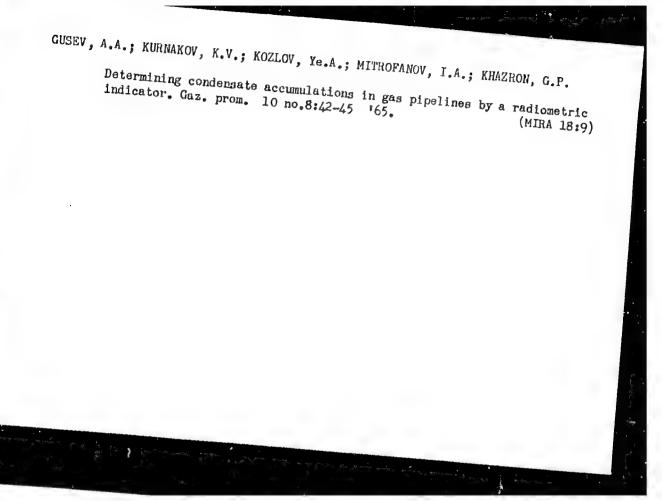
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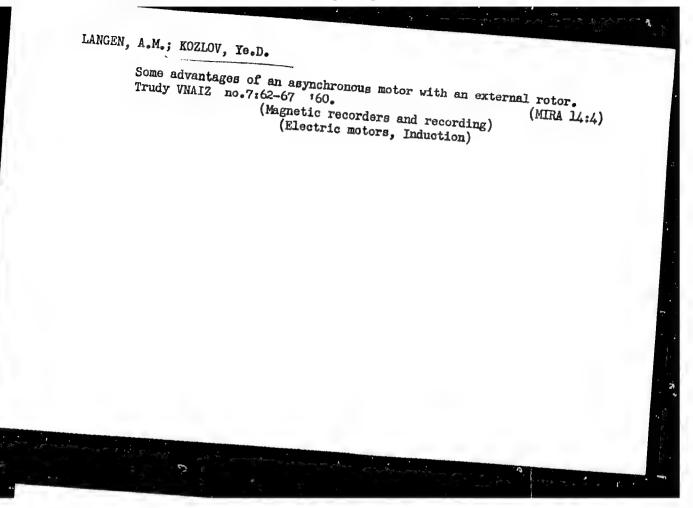
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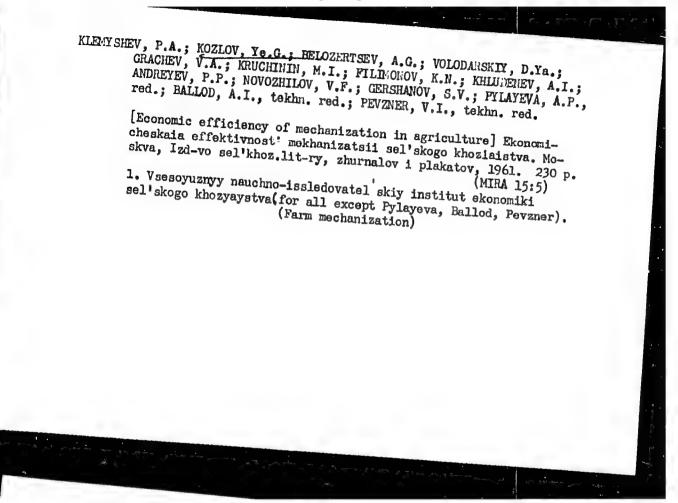


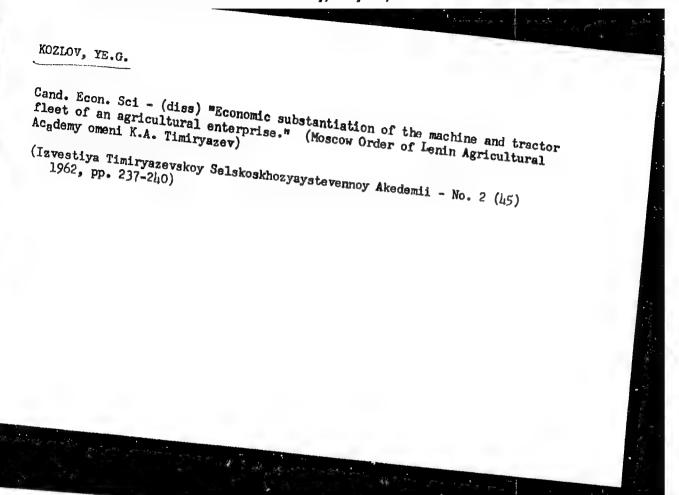


APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0008259100









ACC NR: AP7002958 SOURCE CODE: UR/0413/66/000/024/0012/0013 INVENTOR:

Navagin, Yu. S.; Kozlov, Ye. I.

ORG: None

TITLE: An attachment for feeding explosive charges to the working chamber of an installation for hydraulic explosive forming. Class 7, No. 189384

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 12-13

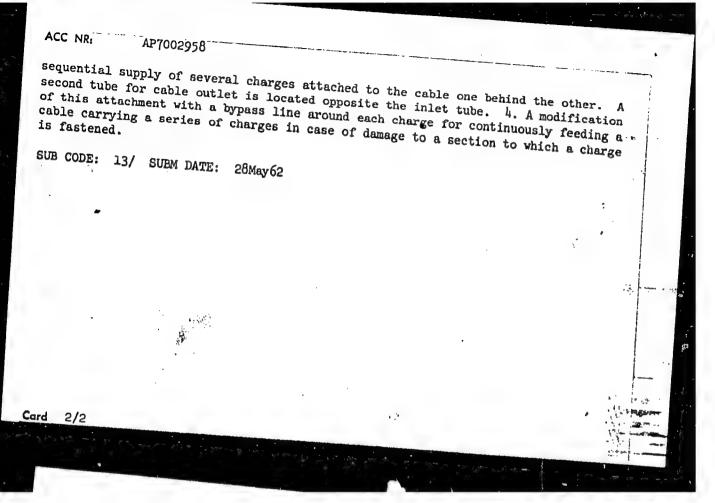
TOPIC TAGS: explosive charge, explosive forming, remote handling equipment

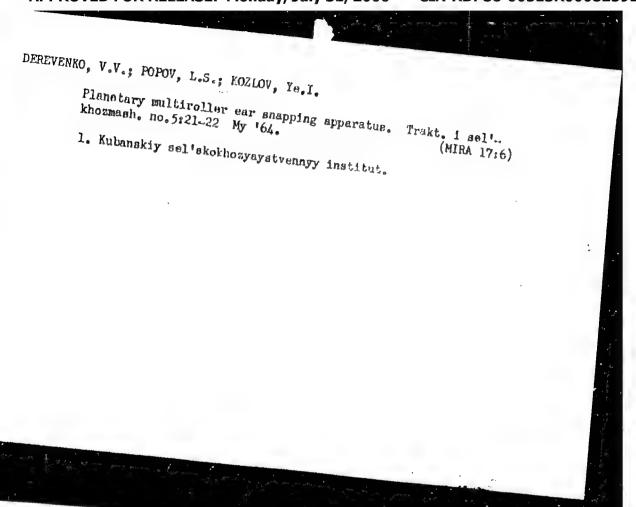
ABSTRACT: This Author's Certificate introduces: 1. An attachment for feeding explosive charges to the working chamber of an installation for hydraulic explosive forming. The unit is equipped with a cable for the explosive charge. The device is designed so that the explosive charge may be placed in the working chamber after complete preparation of the installation for the forming process with provision for sequential introduction of several charges. A sloping tube is built into the wall of the chamber for passage of the charge fastened to the cable. The upper end of this tube is equipped with a shut-off device, and the lower end terminates inside the chamber. 2. A modification of this attachment in which damage of the tube introduced into the explosive chamber is prevented by making the lower end of the tube in the form of a collapsible hinged chute. 3. A modification of this attachment designed for

UDC: 621.98:621.7.044.2-229.6

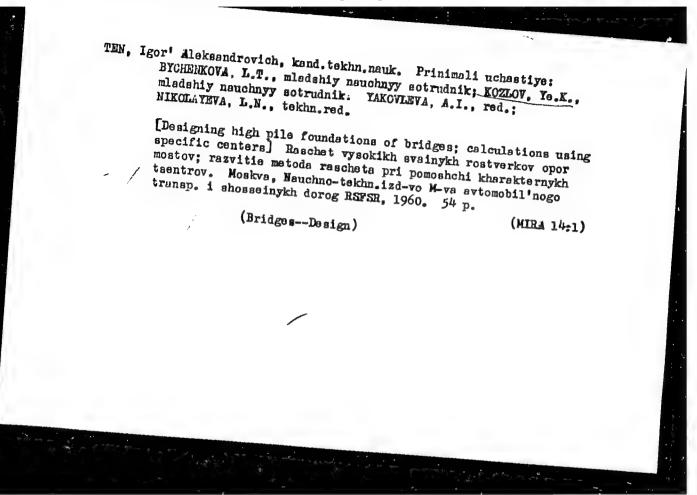
APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R0008259100





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BEL'KOV, I.V.; GORBUNOV, G.I.; IVANOVA, T.N.; KOZIOV, YG.K.; MAZUROV, M.K.; NAMOTUSHKO, V.I.; SAKHAROV, A.S.; TANNER, D.D.; GORBUNOV, G.I., kand. geol.-mineral. nauk, red.; DUBYAGO, V.N., tekhn. red.

[Mineral wealth of the Kola Peninsula] Bogatstva nedr Kol'skogo poluostrova. Murmansk, Knishnala red. "Poliarnoi pravdy," 1957.
128 p. (MIRA 11:10)

(Kola Peninsula-Mineralogy)

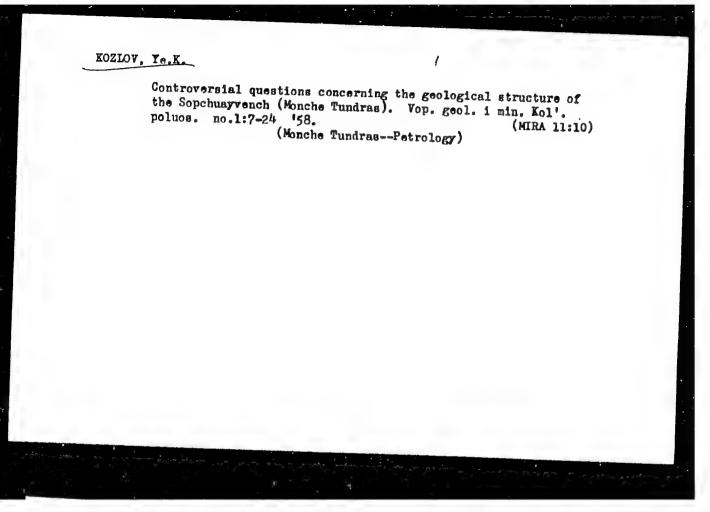
Basic problems in investigating copper-nickel deposits on Kols
Peninsula. Izv. Ear. 1 Kol' fil. AN SSSR no. 1:90-99 '57.

(MIRA 11:7)

1. Geologichaskiy institut Kol'ekogo filiala AN SSSR.

(Kole Peninsula--Copper ores)

(Kola Peninsula--Nickel ores)



IVANOVA, T.N.; KOZLOV, Ye.K.

Horizontal differentiation in basic rocks of the Monchegorsk pluton.

Isv.Kar. i Kol'.fil.AN SSSR no.3:3-14 '58. (MIRA 11:12)

1. Geologicheskiy institut Kol'skogo filiala AN SSSR.

(Monchegorsk region--Rocks, Igneous)

KOZLOV, Ye.K.

Relationship between the composition of sulfide dissemination in copper-nickel ores and the composition of enclosing rocks (as exemplified by the Monche Tundra). Vop. geol. i min. Kol'. poluos. no.3:118-138 '60. (MIRA 13:9) (Monche-Tundra-Ore deposits)

TOCHILIN, M.S., otv. red.; BEL'KOV, I.V., red.; GORBUNOV, G.I., red.; KOZLOV, Ye.K., red.; SIDORFIKO, A.V., red.; TOKAEZV, V.A., red.; SHENGER, I.A., red. izd-va; KONDRAT'YEVA, M.N., tekhn. red.

[Geology of the Kola Peninsula] Voprosy geologii Kol'skogo poluostrova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 146 p.

(MIRA 15:6)

1. Akademiya nauk SSSR. Kol'skiy filial, Kirovsk. (Kola Peninsula--Geology)

KOZLOV, Ye.K., kand. geologo-miner. nauk, otv. red.; SHENGER, I.A., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Igneous formations of the Kola Peninsula] Magmaticheskie obrazovaniia Kol'skogo poluostrova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 194 p. (MIRA 15:3)

l. Akademiya nauk SSSR. Kol'skiy filial, Kirovsk. (Kola Peninsula—Rocks, Igneous)

KOZLOV, Ye.K.; DOKUCHAYEYA, V.S.; BOGDANOV, I.S.

Unique ore gabbro-norite pegmatite of Nittis Mountain in the Monche-Tundra, Mat. po min. Kol: poluost. 3:86-99 '62. (MIRA 17:3)

KOZLOV, Ye.K., kand. geol.-miner. nauk, otv. red.; BASHMAKOVA, Z.I., red. izd-va; BYKOVA, V.V., tekhn. red.

[Igneous activity and geology of the Kola Peninsula] Magmatizm i geologiia Kol'skogo poluostrova; sbornik, posviashchennyi pamiati A.G.Zinov'eva. Moskva, Gosgeoltekhizdat, 1963. 232 p. (MIRA 16:6)

 Akademiya nauk SSSR. Kol'skiy filial, Kirovsk. (Kola Peninsula--Rocks, Igneous)

ECCION, Te.M., land.vetorin.mak

Studying the action of chlorophon poterations on feedis ticks under laboratory conditions. Uch. maj. 191 69.357-100 [60].

(CRe 18:8)

1. laboratoriya arakinocal med gill by the more in form. mylef.

F.A.lavrent'yev) Kazanskogo veterinten or leatifule.

SHCHERRAM:, A.W. [Shcherban', O.W.], akademik; KREMNEV, O.A. [Kremn'ov, O.O.]; KOZLOV, Ye.M. [Kozlov, IE.M.]; SHELIMAHOV, V.A. [Shelimanov, V.O.]

Principles for calculating the temperature and relative humidity of air in mines. Dop.AN URSR no.11:1527-1529 '60. (MIRA 13:11)

1. Institut teploenergetiki AN USSR. 2. AN USSR (for Shcherban!). (Mine ventilation)

SHCHERBAN', A.N., akademik; KREMNEV, O.A., kand.tekhn.nauk; KOZLOV, Ye.M., inzh.; SHELIMANOV, V.A., inzh.

Analytical functions describing the processes of temperature and relative humidity changes in mine shafts. Trudy Sem.po gor. teplotekh. no.3:25-28 61. (MIM 15:4)

l. Institut teploenergetiki AN USSR.
(Mine ventilation)

SHCHERBAN', A.N., akademik; KREMNEV, O.A., kand.tekhn.nauk; KOZLOV, Ye.M., inzh.; SHELIMANOV, V.A., inzh.

Analytical functions describing the processes of mine temperature and relative humidity changes. Trudy Sem.po gor.teplotekh. no.3:29-32 '61. (MIRA 15:4)

1. Institut teploenergetiki AN USSR.
(Mine ventilation)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825910

KOZLOV, Ye. M.: Mister Phys-Math Sci (diss) -- "Numerical integration of systems of ordinary linear differential equations using the method of order-reduction". Kiev, 1958. 7 pp (Acad Sci Ukr SSR, Inst of Math), 150 copies (KL, No 5, 1959, 12h)

	A UTHOR:	Kozlov, Ye.M.	SOV-21-58-9-2/28
	TITLE:	On the Problem of Reducing the Order of a System of Linear Differential Equations by Means of Its Partial Solution (K voprosu o ponizhenii poryadka sistemy lineynykh differentsial'nykh uravneniy pri pomoshchi chastnogo resheniya yeye)	
	PERIODICAL:	Dopovidi Akademii nauk Ukrains 923 (USSR)	'koi RSR, 1958, Nr 9, pp 918-
	ABSTRACT:	where $a_{i,j}(t)$ (i,j = 1,2,,r ly. He compiles the characteri	(t) $x_{j,j}$, $i = l, 2,, n$, 1) functions are varying slow- 1. stic equation of this system
	Card 1/2	the roots of the characteristic and other roots have real parts that the problem can be solved the first of these methods, the quirement that the first deriva ro and the method of least squamethod makes use of the formula	it in the case when one of cal equation is close to zero of the same sign. He shows by two different methods, In author starts from the restives should be close to zeros is applied. The second
787	A ALL CHICA	for numerical integration of th	e systems of linear different-

On the Problem of Reducing the Order of a System of Linear Differential Equations by Means of Its Partial Solution

which varies slowly. Then the initial system is found which varies slowly. Then the initial system of the differential equations can be decomposed into two systems, one of the p-order and the other of the (n-p)-order, which can be integrated independently of each other. Thereby the order of the initial system is reduced by as many units as the number "p" of linearly independent partial solutions that have been found. There are 6 references, 5 of which are

ASSOCIATION:

Institut teploenergetiki AN UkrSSR (Institute of Thermal Power Engineering of the AS UkrSSR)

PRESENTED: SUBMITTED:

By Member of the AS UkrSSR, A.Yu. Ishlinskiy

NOTE:

Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration,

1. Differential equations--Theory

Card 2/2

SOV-21-58-8-3/27

AUTHOR:

Kozlov, Ye.M.

Method for Successive Diminution of the Order of a System of

TITLE:

Method for Successive Diminution of the Older of a System Linear Differential Equations with Slowly Changing Coefficients (Metod posledovatel'nogo ponizheniya poryadka sistem lineynykh differentsial'nykh uravneniy s medlenno menyayushchimisya ko-

effitsiyentami)

PERIODICAL:

Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 8,

pp 813-816 (USSR)

ABSTRACT:

The author considers a system of linear differential equations in the interval $t_0 \not \in t \not \subseteq T$:

 $\frac{dx_i}{dt} = \sum_{k=1}^{n} a_{ij}(k)x_{jj}$

i= 1,2,000

where the coefficients a_{ij} (i,j = 1,2,...,n) are changing slowly. He presents a method for integrating this system, which is based on a successive diminution of the order of the system by means of partial solutions of certain auxiliary systems of differential equations. The partial solutions change slowly and are stable, and therefore their construction can be carried out by numerical integration with a comparatively large step. The diminution of the order proceeds by unity

Card 1/2

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SOV-21-58-8-3/27

Method for Successive Diminution of the Order of a System of Linear Differential Equations with Slowly Changing Coefficients

or by two, dependent on the nature of the root of the characteristical equation, and results at the end either in

one equation or a system of two equations.

There are 3 references, 2 of which are Soviet and 1 American.

ASSOCIATION: Institut teploenergetiki AN UkrSSR (Institute of Thermal

Power Engineering of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, A.Yu. Ishlinskiy

SUBMITTED: March 21, 1958

NOTE: Russian title and Russian names of individuals and institutions

appearing in this article have been used in the transliteration.

1. Differential equations--Analysis

Card 2/2

16(1)

SOV/21-59-12-1/20

AUTHOR:

Kozlov, Ye.M.

TITLE:

Substantiation of the Method of Successive Reduction of the Order of Systems of Ordinary Differential

Equations

PERIODICAL:

Dopovidi Akademiyi nauk Ukrayins'koyi RSR, 1959,

Nr 12, pp 1295-1299 (USSR)

ABSTRACT:

This work furthers a study of subject matter arrived at in three other papers. In paragraph 1 the author analyzes a method formulated in the paper by himself in / Ref 2 7 with a view to finding out what that method can lead to when complementary functions are approximately determined. In paragraph 2 he examines the way of reduction of the order in a system referred to in the above-named paper under Nr (1), which is not specified herein. In paragraph 3 he furthers the results formulated in paragraph 2, supplementing them with considerations contained in papers by G.D. Birkhoff / Ref 1 7 and Ya.D. Tamarkin / Ref 3 7. There

Card 1/2